

## Certificate of Electronic Filing Under 37 C.F.R. § 1.8

I hereby certify that this correspondence is being transmitted via the Office electronic filing system in accordance with 37 C.F.R. § 1.6(a)(4):

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on November 9, 2012  
Date

/David A. Tucker/

Signature

David A. Tucker

Typed or printed name of person signing Certificate

27,840

Registration Number, if applicable

(617) 517-5508

Telephone Number

Note: Each paper must have its own certificate of mailing.

Transmittal (1 page)  
Information Disclosure Statement (5 pages)  
IDS (Citation) by Applicant (2 References) (1 page)  
Charge \$180.00 to deposit account 04-1105